## PATENT COOPERATION TREATY

rec'd	1	6	MAR	2006
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From the	NO YORK		TANILO		
INTERNATIONAL SEARCHING AUTHORITY  To: Laura M. Ginkel		PCT			
MERCK & CO., INC. 126 EAST LINCOLN AVENUE RAHWAY, NJ 07065-0907		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43 bis.1)		
		Date of mailing (day/month/year) 14 MAR 2005			
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
PCT 21554					
International application No.	International filing date	e (day/month/year)	Priority date (day/month/year)		
PCT/US05/00955	12 January 2005 (12.0)	1.2005)	16 January 2004 (16.01.2004)		
International Patent Classification (IPC)					
IPC(7): A16K 39/012, 32/02, 39/395; C1 530/388.6, 822, 403,	2N15/00; C07K 16/20, 1	4/45, 14/00, 7/00 and T	J8 Cl.: 435/7.2, 975; 424/184.1, 269.1,		
Applicant					
MERK & CO., INC.					
1. This opinion contains indications re	ating to the following ite	ms:			
Box No. I Basis of the opinion					
Box No.·II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			ntive step and industrial applicability		
<u> </u>	Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			o novelty, inventive step or industrial		
Box No. VI Certain do	cuments cited				
Box No. VII Certain de	fects in the international	application			
Box No. VIII Certain of	scrvations on the interna	tional application			
2. FURTHER ACTION			İ		
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/	US Date of con	npletion of this opinion	Asthorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents					
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 571-272-1600			Telephone No. 571-272-1600		

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Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	<i>-</i>	`	
PCT/US05/00955			11

Box N	o. I Basis of this opinion
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1. With	regard to the language, this opinion has been established on the basis of:
$\boxtimes$	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
3. 🖾	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Add	ditional comments:
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Form PCT/ISA/237(Box No. I) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International a	plication No	 	
PCT/US05/005	725		

Box No. IV Lack of unity of invention	
In response to the invitation (Form PCT/ISA/206) to pay additional fees  paid additional fees  paid additional fees under protest and, where applicable, the propaid additional fees under protest but the applicable protest fees  not paid additional fees	rotest fee
2. This Authority found that the requirement of unity of invention is not o	complied with and chose not to invite the applicant to
pay additional fees.  3. This Authority considers that the requirement of unity of invention in accorde	ance with Rule 13.1, 13.2 and 13.3 is
complied with	
not complied with for the following reasons:  See the lack of unity section of the International Search Report(Form PCT/IS	5A/210)
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4. Consequently, this opinion has been established in respect of the following pa	uts of the international application:
all parts.	
the parts relating to claims Nos. <u>1-6 and 12-23</u>	
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Form PCT/ISA/237 (Box No. IV) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No PCT/US05/00955 I.

INTERNATIONAL SEARCHING		
Box No. V Reasoned statement under Rule applicability; citations and expla	43 bis. 1(a)(i) with regard to novelty, invernations supporting such statement	ntive step or industrial
1. Statement		
Novelty (N)	Claims 12-23	YES
,,,,	Claims <u>1-6</u>	ио
- 4 (70)	Claims NONE	YES
Inventive step (IS)	Claims 1-6, 12-23	
e.	<u></u>	XIII G
Industrial applicability (IA)	Claims <u>1-6, 12-23</u>	YES NO
	Claims NONE	
containing an EST deposited in GenBank under the over 510 base pairs to the sequence disclosed by a length sequence and clone and express the casine is	tinase 1 from Eimeria tenella.	
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